

```

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/tissue_type="leukopheresis"
/cell_type="pre-B cell"
/dev_stage="pediatric 2 years"
/lab_host="DH10B"
/label="Vector: lambda pSB; Site_1: BamHI; Site_2: EcoRI;
First strand cDNA was primed with an anchored
XhoI-oligo(dT) primer [5'GGAGGACTCAGCGCCGAGGAGGAG(T)VN
3': V=A,C,G; N=A,C,G,T] and then
dG tailed. Second
strand was primed with a BamHI-dC primer
[5'AGAGGACTCGGATCCGCGCGCAATAATAT(C) 3'].
Double-stranded cDNA was then digested with BamHI and
XhoI and directionally cloned into the BamHI and SalI
sites of lambda pSB vector. Library was constructed by Wei
round of normalization. Library was constructed by Wei
Yu"

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SE COUR 78 a 107 C 112 9 00 C  
IGIN

Query Match	8.1%	Score 331.6	25	1
Best Local Similarity	95.9%	Pred. NO. 3e-63		
Best Local Similarity	95.9%		14	Indels
Conservative	251		0	Mismatches
Conservative	251		0	Gaps

194 tgggttgccaggagctcagaggtcgccagccacccgagagatcaaygacatc  
1 TGGGCTTGGCCAGGAGCTCAGGAGGCCAGCCACCGGAGACAAGGACGCGAGGACACG 60  
254 ggggttggtcgagactcgcaggccacagacgcgcaggccctacttcaagggtgttgctgtg 313  
3 GGGGTGCTGCGAGACTCGGAGGGGCACAGCGCCAGG - CCTCTCGTAAGGTGTTCGTGCTG 119  
61 GGGGTGCTGCGAGACTCGGAGGGGCACAGCGCCAGG - CCTCTCGTAAGGTGTTCGTGCTG 179  
314 cagaggtacatgcacaacgcacacagggcagctcgtctactacaagtacatcaagcca 373  
120 CACGAGGTACATGTCACACGACATTTTTTCTACGCTCTGCTACTACAGTACATCAAGGCA 433  
374 cgcctcaggggccaacagccgcgcagctcctacgttgttcgtgagagacttgagcagcca 239  
180 CGCATCGAGGGGCACACGGCCCGCAGCTCATACGTTGTCGTGAGAGACTTTGAGCAGCCA 493  
434 ttcatcaaacgcttgacacgctctgtgtcaacaggaagagcgaatggtggctgctgtg 553  
200 TTTCATCAACAAGCCTGACACGCTCTTGGTTCACGCGAAGGACGCCATGTGGGTGGCCTGT 299  
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2Y ctgggtgcatacccgcgctccaatgtcagcgtcgctcgcaagctcgggtgctgtggcca 359

Qy 554 gacggg 559.  
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Db 360 GACGGG 365

RESULT	EST	EST	21-APR-1997
AA367842	284 bp	mRNA	
LOCUS	AA367842		
GENE	EST79262		
DESCRIPTION	EST79262 placenta I Homo sapiens cDNA similar to tyrosine kinases		
DEFINITION	EST79262 placenta I Homo sapiens cDNA similar to tyrosine kinases		
KEYWORDS	EST79262 placenta I Homo sapiens cDNA similar to tyrosine kinases		
REFERENCE	EST79262 placenta I Homo sapiens cDNA similar to tyrosine kinases		
REMARKS	EST79262 placenta I Homo sapiens cDNA similar to tyrosine kinases		

ACCESSION  
AA367842  
VERSION  
AA367842.1  
GI:2020386  
EST

SOURCE ~~human~~ <sup>human</sup> Homo sapiens; Craniata; Vertebrata; Euteleostom  
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom  
ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostom

REFERENCE  
AUTHORS

Mammalia; Euthera: Plimates, 1 (bases 1 to 284)

1. (bases 1 to 284)

Adams, M.D., Kerlavage, A.R., Fleischmann, R.D., Fuldner, R.A., Bul,  
O., Sutton, G., Blake, J.A., Brandon, R.C., Man-Wai, C., Clayton, R.,  
C.J., Lee, N.H., Kirkness, E.F., Weinstein, K.G., Gocayne, J.D., W.,  
R., Cline, T.R., Cotton, M.D., Earle-Hughes, J., Fine, L.D., Fitzgerald,  
L.M., Fitzhugh, W.M., Fritchman, J.L., Geohagen, N.S., Glodok, A.,  
Gnehm, C.L., Hanna, M.C., Hedblom, E., Hinkle, P.S. Jr., Kelley, J.M.,  
Kelley, J.C., Liu, L.-I., Marmaros, S.M., Merrick, J.M.,

Moreno-Palancas, R.F., McDonald, L.A., Nady, J., Saudek, D.M., Shirley, R., Phillips, C.A., Ryder, S.E., Scott, J.L., Weidman, J.F., Li, Y., Small, K.V., Spriggs, T.A., Utterback, T.R., Coleman, T.A., Collins, E.J., Bednarik, D., Cao, L., Cepeda, M.A., Fischer, C., Hastings, G.A., He, W.W., Dimke, D., Feng, D.-F., Ferrie, A., Fisher, C., Kim, A.K., Kozak, D.L., Hu, J.S., Greene, J.M., Gruber, J., Hudson, P., Olsen, H., Raymond, L., Kunsch, C., Hungjun, J., Li, H., Meisner, P.S., Olsen, H., Raymond, L., Kunsch, C., Hungjun, J., Li, H., Meisner, P.S., Olsen, H., Raymond, L., Wei, Y.F., Wang, J., Xu, C., Yu, G.L., Ruben, S.M., Dillion, P.J., Fannon, M.R., Rosen, C.A., Haseltine, W.A., Fields, C., Fraser, C.M. and Venter, J.C.

Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence  
Nature 377 (6547 Suppl), 3-174 (1995)

96026280

Other\_ESTs: THC85507

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Tel: 3018699056  
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Email: arkerlav@tigr.org

For clone availability, additional sequence and expression information related to this EST, please check the TIGR Human Gene Index (<http://www.tigr.org/tdb/hgi/hgi.html>)

Seq primer: M13-21.

FEATURES  
SOURCE

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/dev\_stage="fetus"  
/note="organ: placenta; Vector:  
EcoRI; Site\_2: EcoRI"  
91 c 46 t  
01 c

BASE COUNT	56 a	91 c	91 g
ORIGIN			

Query Match	6.6%		
Best Local Similarity	99.3%		
Conservative	20%		
Mismatches	0;	Indels	1;
Gaps			1;

[illegible]

RESULTS	8	EST	12-MAY-1999
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LOCUS	AL553743	NCI_CGAP_Brn25	Homo sapiens cDNA clone IMAGE:2168944 3'
DEFINITION	AL553743	tn28c09.x1	TYROSINE-PROTEIN KINASE RECEPTOR FLT4
		similar to gb:U63203	similar to gb:U63203
		precursor (human); contains element MER22	repetitive element ; mRNA
		sequence.	
		AL553743	
		precursor	

ACCESSION  
AI553743

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2407 GAGTTCTGCCAGCGGTGAGAGACGGCACAAGAGTGAAGGCGCCGAGCTGGCCACTCCC 2348  
3446 gccatacgcgcacatgctgaactgctgctcggagagaccacagcgagacgtgattc 3505  
2347 GCCATACGCCGCATGCTGTAAGTCTGGTCCGGAGACCCCAAGGCGAGACCTGCATTC 2288  
3506 tcggagctggtgagatcctcggggaccctgctccagggcagggccctgcagaggaagag 3565  
2287 TCGGAGCTGGTGAGATCCCTGGGGACCTGCTCCAGGCGAGGGGCGCTGCCAAGAGAGAG 2228  
3566 gaggtctgcatgcccgcgcagctctcagagctcagaagagggcagcttctcgcaggtg 3625  
2227 GAGGTCTGCGATGGCCCCCGCGAGCTCTCAGAGCTCACAAGAGGGCAGCTCTTCGCGAGTG 2168  
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2047 GGGGCTGAGACCGGCTGCTCCTCAGAGTGAAGACATTTGAGGATTCGCCATGACCCCA 1988  
3806 acgacctcaaaaggctctgtggacaaccagacagacagtggtggtggtggtggtggtg 3865  
1987 AGGACTACAAAGGCTCTGTGGACAAACCAGACAGACAGTGGGATGGTGTGGCTCGGAG 1928  
3866 gagttgagcagatgagagcagcagcagcagcagcagcagcagcagcagcagcagcagc 3914  
1927 GAGTGGGACAGATAGAGAGCAGGTATAGACAAAGAGCGGCTTCAGGT 1879

RESULT 11  
US-08-443-861-1  
Sequence 1, Application US/08443861  
Patent No. 851999

GENERAL INFORMATION:  
APPLICANT: Ullrich, Axel  
APPLICANT: Risau, Werner  
APPLICANT: Millaue, Birgit  
APPLICANT: Gazit, Aviv  
APPLICANT: Levitzki, Alex  
TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular  
TITLE OF INVENTION: Endothelial Growth Factor  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/443,861  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/193,829  
FILING DATE: 09-FEB-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Coruzzi, Laura A.  
REGISTRATION NUMBER: 30,742

REFERENCE/DOCKET NUMBER: 7683-060  
TELEPHONE: (212)790-9090  
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TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5470 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 286..4386  
US-08-443-861-1

Query Match 17.4%; Score 716.2; DB 2; Length 5470;  
Best Local Similarity 54.6%; Pred. No. 1.6e-137;  
Matches 1713; Conservative 0; Mismatches 1343; Indels 81; Gaps 11;

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